

FORM PTO-1449 (MODIFIED)	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. IN-5513
<b>LIST OF ART CITED BY APPLICANT</b> <small>(Use sever of sheets if necessary)</small>		In re Application of: Peter BETZ et al.
		Serial No.: 09/914,937
		Filed: September 5, 2001

U.S. PATENT DOCUMENTS							
Examiner initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
C.L.	AA	5,221,329	06/22/93	Tarr			04/20/92
	AB	5,385,988	01/31/95	Yamamoto et al.			09/22/92
	AC	5,412,016	05/02/95	Sharp			09/14/93
	AD	5,418,264	05/23/95	Obloh et al.			03/03/94
	AE	5,447,998	09/05/95	Grady et al.			04/08/94
	AF	5,670,257	09/23/97	Sakai et al.			12/07/95
	AG	5,760,128	06/02/98	Baltus et al.			12/27/93
	AH	5,973,068	10/26/99	Yamaya et al.			11/06/97
	AI	5,989,687	11/23/99	Li			12/09/97
C.L.	AJ	6,713,559	03/30/04	Armbrust et al.			02/21/02
	AK						

FOREIGN PATENT DOCUMENTS								
Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Q E	AL	CA2033530	91.07.13	CA				
	AM							
	AN							
	AO							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
Q.E.	AP Chemical Abstracts, vol. 84, no. 18, 3 May 1976, Columbus, Ohio; abstract no. 123526w, Page 94; XP002153878; abstract for JP50095388 (Toa Gosei Chem Ind Co., Ltd) 29 July 1975.
P.	AQ U.S. Serial No. 09/914,545, filed 8-30-01, Betz et al., previously published as WO00/53687.
P.	AR U.S. Serial No. 10/049,532, filed 2-12-02, Armbrust et al., previously published as WO01/16241.
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
DATE CONSIDERED 9/6/04	

\*Applicant has modified this form by deleting the word "prior".

518 Rec'd PTO 05 SEP 2001

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Atty. docket No. IN-5513

09/914937

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In re Application of : BETZ et al.

Serial No.: Herewith

Filed: September 5, 2001

## U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
QC	AA	5,262,362	11/16/93	Covino-Hrvacek	501	12	6/22/92
	AB	5,789,085	8/4/98	Blohowiak et al.	428	450	11/4/96
	AC	5,474,811	12/12/95	Rehfuss et al.	427	407.1	5/11/94
	AD	5,605,965	2/25/97	Rehfuss et al.	525	100	11/3/94
	AE	4,268,542	5/19/81	Sakakibara et al.	427	195	1/25/79
	AF	4,675,234	6/23/87	Sachs et al.	428	328	5/17/85
	AG	4,754,014	6/28/88	Ryntz et al.	528	28	2/24/87
	AH	3,639,147	2/1/72	Benefiel et al.	117	73	2/3/70
	AI	3,953,644	4/27/76	Camelon et al.	428	220	12/20/74
	AJ	4,719,132	1/12/88	Porter, Jr.	427	409	4/29/87
QC	AK	5,356,669	10/18/94	Rehfuss et al.	427	407.1	1/23/92

## FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
QC	AL	WO 91/13923	19.09.91	EP	C08G	18/08		X
	AM	WO90/01041	8.02.90	EP	C08G	18/08		X
	AN	WO 94/10211	11.05.94	EP	C08F	8/30	X	
	AO	WO 94/10212	11.05.94	EP	C08F	8/30	X	
QC	AP	WO 94/10213	11.05.94	EP	C08F	8/30	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QC	AR	English language abstract is provided with the International Publication WO91/13923
	AS	English language abstract is provided with the International Publication WO90/01041
QC	AT	Bruce M. Novak, entitled "Hybrid nanocomposite Materials--between inorganic glasses and organic polymers," 1993, pages 422-433

EXAMINER

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Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RC	AA	4,489,135	12/18/84	Drexler et al.	428	423.1	2/18/83
	AB	4,851,460	7/25/89	Stranghöner et al.	523	407	8/18/87
	AC	4,914,148	4/3/90	Hille et al.	524	507	12/11/86
	AD	5,334,420	8/2/94	Hartung et al.	427	407.1	3/13/91
	AE	4,220,679	9/2/80	Backhouse	427	401	4/17/78
	AF	4,246,382	1/20/81	Honda et al.	526	79	11/6/78
	AG	4,576,868	3/18/86	Poth et al.	428	423.1	9/14/84
	AH	4,851,460	7/25/89	Stranghöner et al.	523	407	8/18/87
	AI	4,981,759	1/1/91	Nakatani et al.	428	626	5/2/88
	AJ	5,079,312	1/7/92	Isozaki et al.	525	479	5/11/90
RC	AK	5,726,258	3/10/98	Fischer et al.	526	64	7/1/96

## FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO	
RC	AL	0 594 068 A1 ✓	15.10.93	EP	C09D	201/02	X	
	AM	0 594 071 A1	15.10.93	EP	C09D	201/02	X	
	AN	0 594 142 A1	20.10.93	EP	C08L	57/12	X	
	AO	0 358 153 B1	04.09.89	EP	C09D	143/04	X	
RC	AP	0 354 261 A1	11.08.88	EP	CS08 G	18/50	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RC	AR	Entitled "Progress in Organic Coatings, 11/22/93
	AS	
	AT	

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QC	AA	4,746,366	5/24/88	Philipp et al.	106	287.19	5/17/86
	AB	4,895,910	1/23/90	Isozaki et al.	525	326.5	2/29/88
	AC	5,425,970	6/20/95	Lahrman et al.	427	493	5/6/93
	AD	5,516,559	5/14/96	Röckrath et al.	427	407.1	2/3/93
	AE	5,569,705	10/29/96	Vogt-Birnbrich et al	524	591	2/27/95
	AF	5,571,861	11/5/96	Klein et al.	524	591	10/21/94
	AG	5,601,878	2/11/97	Kranig et al.	427	386	6/23/93
	AH	5,654,391	8/5/97	Göbel et al.	528	71	4/20/95
	AI	4,880,867	11/14/89	Gobel et al.	524	507	8/18/87
	AJ	4,914,148	4/3/90	Hille et al.	524	507	12/11/86
QC	AK	5,075,372	12/24/91	Hille et al.	524	839	2/6/87

## FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
QC	AL	WO 94/22969	13.10.94	EP	C09D	133/06		X
	AM	WO 92/22615	23.12.92	EP	C09D	151/08		X
	AN	WO 95/14721	1.06.95	EP	C08F	290/14		X
	AO	2 012 191 A	21.12.78	GB	B2E	1103	X	
QC	AP	2078650	08/24/01	CA	C09D	133/00	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QC	AR	English language abstract is provided with the International Publication WO94/22969
	AS	
QC	AT	English language abstract is provided with the International Publication WO95/14721

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Examiner initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P.C.	AA	5,342,882	8/30/94	Göbel et al.	524	832	7/22/93
	AB	5,368,944	11/29/94	Hartung et al.	428	423.1	2/1/92
	AC	5,576,386	11/19/96	Kempter et al.	526	88	1/28/93
	AD	5,691,425	11/25/97	Klein et al.	525	455	7/2/92
	AE	5,690,569	11/25/97	Ledvina et al.	474	111	3/13/96
	AF	4,945,128	7/31/90	Hille et al.	524	591	2/6/87
	AG	5,965,213	10/12/99	Sacharski et al.	427	475	2/2/98
	AH	6,001,424	12/14/99	Lettmann et al.	427	407.1	6/1/95
	AI	5,716,678	2/10/98	Röckrath et al.	427	407.1	3/26/94
	AJ	5,236,995	8/17/93	Salatin et al.	524	591	3/26/91
P.C.	AK	5,601,880	2/11/97	Schwarte et al.	427	407.1	8/5/94

## FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
P.C.	AL	0 424 705 A2	04.10.90	EP	C08F	283/00	X	
	AM	WO 92/17546	15.10.92	EP	C08L	75/04	X	
	AN	WO 91/14514	03.10.91	EP	B05D	7/26		X
	AO	0 394 737 A1	09.04.90	EP	C09D	175/06	X	
P.C.	AP	0249 201 A2	10.06.87	EP	C09D	3/58	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

P.C.	AR	English language abstract is provided wit the International Publication WO 92/22615
P.C.	AS	English language abstract is provided wit the International Publication WO91/14514,
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EC	AA	6,001,915	12/14/99	Schwarte et al.	524	457	9/16/97
	AB	5,691,419	11/25/97	Engelke et al.	525	208	2/1/94
	AC	6,159,556	12/12/00	Möller et al.	427	475	
EC	AD	4,730,020	3/8/88	Wilfinger et al.	524	555	2/27/86
	AE						
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## FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
EC	AL	WO 97/12945 ,	10.04.97	EP	C09D	5/04	X	
	AM	0 401 565 A1 ,	16.05.90	EP	C09D	5/02	X	
	AN	WO 97/49747 ,	31.12.97	EP	C08G	18/75	X	
	AO	WO 97/49745 ,	31.12.97	EP	C08G	18/08	X	
EC	AP	0 590 484 A1'	22.09.93	EP	C08G	18/08	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
EC	AS	English language abstract is provided wit the International Publication WO99/50359 <sup>1</sup>
EC	AT	English language abstract is provided wit the International Publication WO94/22968 <sup>1</sup>

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## FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO	
<i>EC</i>	AL	0 299 148 A2 ,	13.04.88	EP	C08G	18/08	X	
	AM	WO 96/12747,	02.05.96	EP	C08F	285/00		X
	AN	0 038 127 A1 ,	24.03.81	EP	B05D	7/26	X	
	AO	0 276 501 A2 ,	26.09.87	EP	C11D	1/42	X	
<i>ee</i>	AP	WO 94/22968 ,	13.10.94	EP	C09D	133/06	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>EC</i>	AR	English language abstract is provided wit the International Publication WO96/12747,
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## FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
P.G.	AL	WO 82/02387	22.07.82	EP	C08F	2/02	X	
	AM	WO 95/27742	19.10.95	EP	C08F	18/04	X	
	AN	0 320 552 A1	18.12.87	EP	B05D	7/16	X	
	AO	2 012 191 A	21/12/78	UK	B2E	1103	x	
P.V.	AP	2102169	08/24/01	CA	C09D	133/00	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

P.S.	AR	English language abstract for DE 4328092
	AS	
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## FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
EC	AL	0 523 610	14.07.92	EP	C09D	163/00		X
	AM	0 234 361 A1	06.02.87	EP	C08G	18/08		X
	AN	0 234 362 A1	06.02.87	EP	C08G	18/08		X
	AO	0 708 788 B1	16.06.94	EP	C08G	18/08		X
EC	AP	0 581 211 A1	23.07.93	EP	C08G	18/08		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EC	AR	English Language Abstract for EP0708788. /
De	AS	English Language Abstract for EP0523610
De	AT	English Language Abstract for DE19618657

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## FOREIGN PATENT DOCUMENTS

Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
Q. C.	AL	0 574 417 B1,	01.02.92	EP	B05D	5/06		X
	AM	0 256 540 A2	15.08.87	EP	C09D	3/49		X
	AN	0 228 003 A1	11.12.86	EP	B05D	7/16		X
	AO	0 089 497 A2 ,	21.02.83	EP	C09D	3/72		X
Q. C.	AP	2073115	08/24/01	CA	C09D	175/14	X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q. C.	AR	English Language Abstract for DE19912661
	AS	English Language Abstract for DE3903804
Q. C.	AT	English Language Abstract for DE4421823

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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO	
Q.C.	AL	0 069 936 A2 ,	02.07.82	EP	C09D	3/00		X
	AM	0 297 576 A1	30.06.88	EP	C09D	3/72		X
	AN	0 195 931 A1	19.02.86	EP	C09D	3/80		X
	AO	0 554 783 A1 ,	28.01.93	EP	B01J	19/18		X
Q.C.	AP	0 260 447 A2 ,	15.08.87	EP	C08F	283/10		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q.C.	AR	English Language Abstract for DE19709465
Q.C.	AS	English Language Abstract for EP0540884
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							YES	NO
EC	AL	0 584 818 B1	26.08.93	EP	C08G	18/08		X
	AM	0 678 536 A1 ✓	21.04.95	EP	C08G	18/08		X
	AN	0 669 356 A1 1/2	22.02.95	EP	C08G	18/83		X
	AO	0 634 431 A1	13.07.94	EP	C08G	18/12		X
EC	AP	0 008 127 A1 1/2	13.08.79	EP	E21F	17/00		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EC	AR	English Language Abstract for DE4303570
	AS	English Language Abstract for DE4011045
EC	AT	English Language Abstract for DE4020316 1

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Atty. docket No. IN-5513

09/914937

LIST OF ART CITED BY APPLICANT  
(Use sever of sheets if necessary)

In re Application of : BETZ et al.

Serial No.: Herewith

Filed: September 5, 2001

## U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
QC	AL	0 596 461 A2	03.11.93	EP	C09D	201/00		X
	AM	0 536 712 A2	07.10.92	EP	C09D	201/02		X
	AN	0 649 865 A1	15.10.94	EP	C08G	18/67		X
	AO	0 522 419 A1	30.06.92	EP	C08G	18/67		X
QC	AP	0 521 928 B1	13.03.91	EP	C08F	299/06		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QC	AR	English Language Abstract for DE3828098
	AS	English Language Abstract for DE4025215
QC	AT	English Language Abstract for DE4122743

EXAMINER

DATE CONSIDERED

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FORM PTO-1449  
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							YES	NO
Q-C	AL	0 522 420 A2	30.06.92	EP	C08J	3/03		X
	AM	0 596 460 A2	03.11.93	EP	C09D	201/00		X
	AN							
	AO	0 568 967 A2	04.05.93	EP	B05D	3/00		X
Q-C	AP	0 540 884 A1	03.10.92	EP	B05D	3/06		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q-C	AR	English Language Abstract for EP0604922
	AS	English Language Abstract for EP0584818
Q-C	AT	English Language Abstract for EP0008127

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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
P.C.	AL	196 13 547 A1	07.11.96	DE	C09D	5/46		X
	AM	43 03 570 A1	11.08.94	DE	B05D	7/26		X
	AN	34 07 087 A1	05.09.85	DE	C09D	3/82		X
	AO	40 11 045 A1	10.10.91	DE	B05D	7.02		X
P.C.	AP	40 20 316 A1	09.01.92	DE	C09D	183/04		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

P.C.	AR	English Language Abstract for EP0596461
	AS	English Language Abstract for EP0522420
P.C.	AT	English Language Abstract for EP0596460

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518 Re PCT/PTO 05 SEP 2001

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Examiner Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO	
P.C.	AL	38 28 098 A1	08.03.90	DE	C08G	77/58		X
	AM	40 25 215 A1	13.02.92	DE	C08G	59/50		X
	AN	41 22 743 C1	26.11.92	DE	C09D	4/00		X
	AO	42 22 194 A1	13.01.94	DE	C09D	5/46		X
P.C.	AP	38 07 571 A1	22.09.88	DE	C08L	83/07		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

P.C.	AR	English Language Abstract for EP0069936
	AS	English Language Abstract for EP0297576
P.C.	AT	English Language Abstract for EP0708788

EXAMINER

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Examiner initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<i>P.C.</i>	AL	37 06 095 A1	27.08.87	DE	C08G	77/20		X
	AM	196 18 657 A1	02.01.97	DE	C09D	5/46		X
	AN	199 12 661 A1	18.11.99	DE	C09D	5/03		X
	AO	38 14 853 A1	10.11.88	DE	C25D	13/06		X
<i>P.C.</i>	AP	33 33 072 A1	21.03.85	DE	C09D	3/72		X

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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							YES	NO
P.C.	AL	39 03 804 A1	23.08.90	DE	C09D	175/06		X
	AM	44 21 823 A1	04.01.96	DE	C09D	175/04		X
	AN	197 09 476 A1	06.11.97	DE	F16H	7/18		X
	AO	197 09 465 A1	17.09.98	DE	B05D	7/26		X
P.C.	AP	28 48 906 A1	17.05.79	DE	C08F	20/18		X

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Re	AL	195 24 182 A1	09.01.97	DE	C08F	212/08		X
	AM	36 28 124 A1	03.03.88	DE	C09D	3/727		X
	AN	28 18 100 A1	09.11.78	DE	B05D	7/18		X
	AO	42 04 518 A1	19.08.93	DE	B05D	1/36		X
Re	AP	WO 99/50359	10.07.99	EP	C09D	5/00		X

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Rc	AL	2102170	08/24/01	CA	C09D	133/00	X	
	AM	2220465	08/24/01	CA	C09D	5/03	X	
	AN	2104845	08/24/01	CA	C09D	161/00	X	
	AO	2079498	08/24/01	CA	B05D	3/06	X	
Rc	AP	2190286	08/24/01	CA	C09D	167/00	X	

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							YES	NO
RC	AL	2073814	08/24/01	CA	C09D	163/00	X	
RC	AM	2127761	08/24/01	CA	C09D	175/04	X	
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	AO							
	AP							

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